NUCLEAR ACTIVATION SERVICES LIMITED

1280 MAIN STREET WEST, HAMILTON, ONTARIO L8S 4K1

PHONE (416) 522-5666 TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: CANADA CENTRE FOR MINERAL AND ENERGY TECHNOLOGY
ATTN: HENRY F. STEGER
CANADIAN CERT. REF. MATERIALS
555 BOOTH STREET
OTTAWA, ONTARIO K1A 0G1

CUSTOMER NO. 283

DATE SUBMITTED
05-OCT-84

REPORT: 4026 FILE NUMBER: 4586

7 STANDARDS YOUR FILE# 02SQ.23440-4-9155-11

WERE ANALYZED AS FOLLOWS:

ELEMENTS	UNITS	DETECTION LIMIT	ELEMENTS	UNITS	DETECTION LIMIT
AL	%	0.0500	FE	PPM	1000.0000
CU	%	0.0100	CD	PPM	1.0000

COMMENTS:

CD DETERMINED BY PROMPT GAMMA ANALYSIS (1 GRAM)
AL, CU DETERMINED USING SHORT LIVED ISOTOPES INAA (0.5 GRAM)
FE DETERMINED USING LONG LIVED ISOTOPES INAA (0.5 GRAMS)

BOTTLE NO. 91=NZA-1
BOTTLE NO. 80=NZA-2
BOTTLE NO. 36=NZA-3
BOTTLE NO. 130=NZA-4
BOTTLE NO. 101=NZA-5
BOTTLE NO. 99=NZA-6
BOTTLE NO. 99=NZA-7

MICROMEDIA

CONTRACT SERIAL NUMBER: OSQ84-00183

CONTRACTOR: NUCLEAR ACTIVATION SERVICES LTD.

TITLE: CERTIFICATION OF Zn-Al ALLOYS

2 pp

DATE 04-JUN-85

NUCLEAR ACTIVATION SERVICES LIMITED

CERTIFIED BY .....

*** UNLESS INSTRUCTED OTHERWISE WE WILL DISCARD ALL SAMPLES ***
IRRADIATED SAMPLES AFTER 30 DAYS. ANY OTHER MATERIAL AFTER 120 DAYS.

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DATE: 05-JUN-85 REPORT: 4026 FILE NUMBER: 4586 PAGE: 1

SAMPLE	AL %	FE PPM	CU %	CO PPM
NZA-1-1	29.00	<1000	1.58	9
NZA-1-2	29.31	<1000	1.65	8
NZA-1-3	28.93	<1000	1.61	9
NZA-1-4	28.73	<1000	1.54	9
NZA-1-5	29.12	<1000	1.62	9
NZA-2-1	24.00	<1000	3.15	47
NZA-2-2	23.95	<1000	3.20	44
NZA-2-3	23.72	<1000	3.22	42
NZA-2-4	24.31	<1000	3.24	45
NZA-2-5	23.98	<1000	3.15	49
NZA-3-1	26.38	<1000	2.21	68
NZA-3-2	26.01	<1000	2.15	69
NZA-3-3	25.92	<1000	2.08	65
NZA-3-4	25.92	<1000	2.05	65
NZA-3-5	25.25	<1000	1.90	70
NZA-4-1	26.48	<1000	2.60	31
NZA-4-2	26.38	<1000	2.62	30
NZA-4-3	26.57	<1000	2.66	33
NZA-4-4	26.29	<1000	2.60	35
NZA-4-5	26.38	<1000	2.57	35
NZA-5-1	10.99	<1000	1.15	95
NZA-5-2	11.22	<1000	1.14	97
NZA-5-3	10.63	<1000	1.05	95
NZA-5-4	10.66	<1000	1.04	92
NZA-5-5	11.05	<1000	1.07	94
NZA-6-1	7.69	<1000	3.47	138
NZA-6-2	7.52	<1000	3.45	148
NZA-6-3	7.70	<1000	3.50	139
NZA-6-4	7.63	<1000	3.48	143
NZA-6-5	7.60	<1000	3.47	143
NZA-7-1	13.37	<1000	0.26	1
NZA-7-2	13.48	<1000	0.23	<1
NZA-7-3	13.35	<1000	0.24	<1
NZA-7-4	13.26	<1000	0.23	<1
NZA-7-5	13.49	<1000	0.22	1